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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/075,035	02/12/2002	Z. Gerald Liu	4695-00009	7509
26753 7:	753 7590 09/27/2006		EXAMINER	
ANDRUS, SCEALES, STARKE & SAWALL, LLP 100 EAST WISCONSIN AVENUE, SUITE 1100 MILWAUKEE, WI 53202			NECKEL, ALEXA DOROSHENK	
			ART UNIT	PAPER NUMBER
			1764	
		DATE MAILED: 09/27/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Action Summary	10/075,035	LIU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Alexa D. Neckel	1764				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 22 A	Responsive to communication(s) filed on <u>22 August 2006</u> .					
	action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 9-17 and 91-94 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 9-17 is/are rejected. 7) Claim(s) 91-94 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary (F Paper No(s)/Mail Date 5) Notice of Informal Pate 6) Other:	e				

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 22, 2006 has been entered.

Claim Rejections - 35 USC § 102

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 9-17 continue to be rejected under 35 U.S.C. 102(b) as being anticipated by Nagai et al. (5,863,311) for the same reasons as presented in Paragraph 4 of the Office Action dated March 17, 2006.

With regard to the newly added limitations to claims 9, 12, and 15, the flow-through channels (4) of Nagai et al. have exhaust gas which flows through without flowing through a barrier or wall which traps particulates and the wall-flow through channels (3) are channels which exhaust gas flows and exits (into the flow-through channels) by crossing a barrier or wall (5) which traps particulates and is in an inserted position in the flow-through channels (see figures 4-6).

Application/Control Number: 10/075,035 Page 3

Art Unit: 1764

Double Patenting

4. Claims 9-17 continue to be rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-19 of U.S. Patent No. 6,669,913 for the same reasons as presented in Paragraph 6 of the Office Action dated March 17, 2006.

Allowable Subject Matter

- 5. Claims 91-94 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. The following is a statement of reasons for the indication of allowable subject matter: The prior art neither teaches nor suggests the three sheet arrangement, as recited in claims 91 and 93, wherein the second sheet pleats form axially extending flow channels and the third sheet pleats with bend lines extending transversely to the axis and a first sheet.

Response to Arguments

35 USC 112

The rejection of claims 91-94 under 35 USC 112, second paragraph is withdrawn due to applicant's arguments.

35 USC 102

Applicant argues that Nagai has only wall-flow channels and not flow-through channels as presently claimed.

Art Unit: 1764

The examiner respectfully disagrees, and as discussed above, the flow-through channels (4) of Nagai et al. have exhaust gas which flows through without flowing through a barrier or wall which traps particulates and the wall-flow through channels (3) are channels which exhaust gas flows and exits (into the flow-through channels) by crossing a barrier or wall (5) which traps particulates and is in an inserted position in the flow-through channels (see figures 4-6).

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexa D. Neckel whose telephone number is 571-272-1446. The examiner can normally be reached on Monday - Thursday from 9:00 AM - 7:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on 571-272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

Application/Control Number: 10/075,035

Art Unit: 1764

USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Alexa D. Neckel Primary Examiner Art Unit 1764 Page 5

September 21, 2006